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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Database
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Minimum DB seq length: 0
Maximum DB seq length: 75
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Run on:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             humber of hits satisfying chosen parameters:
Published_Applications_AA:*

1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*

2: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*

3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*

4: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*

5: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*

9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*

10: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*

11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*

12: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*

13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*

14: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*

15: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    February 4, 2003, 10:33:53; Search time 11 Seconds (without alignments)
151.154 Million cell updates/sec
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Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ERWVRDSMKHLDQIFQNLKP 75
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

19	18	17	16	15	14	13	12	11	10	9	8	7	6	ŋ	4.	ω	2	1	Result No.
120.5	127.5	127.5	131.5	134.5	134.5	138.5	138.5	145.5	148	174.5	188	209	213.5	215	226.5	263	263	392	Score
29.9	31.6	31.6	32.6	33.4	33.4	34.4	34.4	36.1	36.7	43.3	46.7	51.9	53.0	53.3	56.2	65.3	65.3	97.3	Query Match L
60	73	67	71	69	89	70	69	66	70	70	71	73	67	73	75	74	74	74	Query Match Length DB
9	10	10	10	9	10	9	10	12	12	9	10	10	10	0.0	9	9	9	10	!
US-09-888-938-5	US-09-144-838-6	US-09-144-838-38	US-09-144-838-3	US-09-792-793A-30	US-09-195-457-10	US-09-792-793A-24	US-09-195-457-9	US-10-153-064-87	US-10-107-371-1	US-10-125-451-17	US-09-195-457-8	US-09-195-457-1	US-09-195-457-7	US-09-195-457-2	US-09-792-793A-23	US-10-125-451-20	US-09-792-793A-13	US-09-195-457-6	ID
Sequence 5, Appli	Sequence 6, Appli	Sequence 38, Appl	Sequence 3, Appli	Sequence 30, Appl	Sequence 10, Appl	Sequence 24, Appl	Sequence 9, Appli	Sequence 87, Appl	Sequence 1, Appli	Sequence 17, Appl	Sequence 8, Appli	Sequence 1, Appli	Sequence 7, Appli	Sequence 2, Appli	Sequence 23, Appl	Sequence 20, Appl	Sequence 13, Appl	Sequence 6, Appli	Description

RESULT 2

45	44	43	42	41	40	39	38	37	36	ა 5	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20
109	109	110.5	112	112.5	113.5	114	114.5	116.5	116.5	117	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	119.5	119.5	120.5	120.5	120.5	120.5
27.0	27.0	27.4	27.8	27.9	28.2	28.3	28.4	28.9	•	29.0	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.7	29.7	29.9	29.9	29.9	29.9
67	34	74	69	67	71	73	72	70	70	68	75	75	75	73	73	73	73	72	72	69	66	68	88	68	8
10	10	10	10	10	9	9	10	10	10	10	10	10	10	10	5	10	10	10	10	9	0	10	10	10	9
US-09-144-838-33	US-09-864-761-38961	US-09-144-838-4	US-09-144-838-46	US-09-144-838-41	US-09-792-793A-33	US-09-792-793A-17	US-09-144-838-5	US-09-334-954A-65	US-09-334-923A-65	US-09-144-838-34	US-09-334-954A-55	US-09-334-923A-55	US-09-778-852-4	US-09-334-954A-57	US-09-334-954A-26	US-09-334-923A-57	US-09-334-923A-26	US-09-334-954A-58	US-09-334-923A-58	US-09-792-793A-28	US-09-144-838-37	US-09-195-457-11	US-09-144-838-42	US-09-144-838-10	US-09-792-793A-29
Sequence 33, Appl	Sequence 38961, A	Sequence 4, Appli	Sequence 46, Appl	Sequence 41, Appl	Sequence 33, Appl	Sequence 17, Appl	Œ	Sequence 65, Appl	Sequence 65, Appl					Sequence 57, Appl					•	Sequence 28, Appl		Sequence 11, Appl	Sequence 42, Appl	Sequence 10, Appl	

ALIGNMENTS

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PRIOR APPLICATION NUMBER: PCT/GB94/02006
PRIOR FILING DATE: 1994-09-14
PRIOR FPLICATION NUMBER: GB 9318984.3
PRIOR FILING DATE: 1993-09-14
PRIOR APPLICATION NUMBER: GB 94086902.2
PRIOR FILING DATE: 1994-04-29
NUMBER OF SEQ ID NOS: 11
SEQ ID NO 6
PRIORH: 74
PRIORH: 74
                                                                                                                                                                                                            ; TYPE: PRT
; ORGANISM: human
US-09-195-457-6
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US-09-195-457-6
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Patent No. US20020081623A1
GENERAL INFORMATION:
APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-TOHNSON, DAVID A.
                                                                                                                                       Matches 73; Conservative
                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/195,457
CURRENT FILING DATE: 1998-11-18
PRIOR APPLICATION NUMBER: 08/470,323
PRIOR FILING DATE: 1995-06-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: CHEMOTACTIC CYTOKINE FILE REFERENCE: 550-33
13
                             62 SMKHLDQIFQNLKP 75
                                                                SMKHLDQI FQNLKP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HSUAN, JOHN J.
                                                                                                                                                          97.3%;
98.6%;
                                                                                                                                                                                                                                                                                                                                                                                                             PCT/GB94/02006
                                                                                                                                     Score 392; DB 10;
Pred. No. 7.2e-39;
1; Mismatches 0;
                                                                                                                                                                          Length 74;
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                                                                                                                                           0,
                                                                                                                                         Gaps
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CURRENT FILING DATE: 2002-04-19
PRIOR APPLICATION NUMBER: 09/479,729
PRIOR FILING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: 09/261,201
PRIOR FILING DATE: 1999-03-03
DEIGN FILING DATE: 1999-01-08
PRIOR APPLICATION NUMBER: 08/613,822
PRIOR APPLICATION NUMBER: 08/613,822
PRIOR APPLICATION NUMBER: 08/613,822
PRIOR APPLICATION NUMBER: 08/613,822
PRIOR FILING DATE: 1996-02-23
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                                                                                                                                                                                                                                                    SOFTWARE: PatentIn version 3.1
SEQ ID NO 20
LENGTH: 74
                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20, Application US/10125451 Publication No. US20030022314A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: PatentIn Ver. 2.0 SEQ ID NO 13
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                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 08/462,967
PRIOR FILING DATE: 1995-06-05
PRIOR APPLICATION NUMBER: 08/458,355
PRIOR FILING DATE: 1995-06-02
                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: PCT/US94/09484 PRIOR FILING DATE: 1994-08-23 NUMBER OF SEQ ID NOS: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Olsen et al.
TITLE OF INVENTION: Human Chemokine Beta-10 Mutant Polypeptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: McDonald, John R.
APPLICANT: COSGINS, Philip
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE
TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
FILE REFERENCE: 25020-601D
CURRENT EPPLICATION NUMBER: US/09/792,793A
CURRENT FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILE REFERENCE: PF504D1
                                                                                                                                                                                                                                    TYPE: PRT
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                                                                                                              Local Similarity
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    4
                                        5 SIPITCCENVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRDSMK 64
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SVPTTCCTNLANRKIPLORLESYRRITSGKCPOKAVIFKTKLAKDICADPKKKWVQDSMK 63
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                                                                                           Conservative
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                                                                                                            65.3%;
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                                                                                    ; Score 263; DB 9;
; Pred. No. 6.5e-24;
14; Mismatches 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                   Length 74;
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                                                                                       0; Gaps
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US-09-195-457-2
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US-09-792-793A-23
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; LENGTH: 75
; TYPE: PRT
                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: 08/47
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/G!
PRIOR FILING DATE: 1994-09-14
PRIOR APPLICATION NUMBER: GB 93:
PRIOR FILING DATE: 1993-09-14
   Matches
                                                                                                                                   SEQ ID NO 2
LENGTH: 73
                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 2, Application US/09195457 Patent No. US20020081623A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 23, Application US/09792793A Patent No. US20020168370A1 GENERAL INFORMATION:
                 Best Local Similarity
                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                   FILE REFERENCE: 550-33
CURRENT APPLICATION NUMBER: US/09/195,457
CURRENT FILING DATE: 1998-11-18
CURRENT FILING DATE: 08/470,323
                                                                                                                                                                       PRIOR APPLICATION NUMBER:
PRIOR FILING DATE: 1994-C
NUMBER OF SEQ ID NOS: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/792,793A
CURRENT FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: COGGINS, Philip
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
FILE REFERENCE: 25020-601D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: McDonald, John R. APPLICANT: Coggins, Philip
                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: PatentIn Ver. 2.0
                                                                                                                 TYPE: PRT
                                                                                               ORGANISM: Cavia cobaya
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Human Chemokine Polypeptide: MCP-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61 NYMKHLGRKAHTLK 74
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 37;
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                                                                                                                                                                                                                                                                                                                                                                                                                             HSUAN,
                                                                                                                                                                                                                                                                                                                                                                                                                                       JOSE, PETER J.
GRIFFITHS-JOHNSON, DAVID A.
 Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                         JOHN J
                                                                                                                                                                                           1994-04-29
                                                                                                                                                                                                                                                                                                                                                                                                         CHEMOTACTIC CYTOKINE
53.3%; Score 215; DB 10; 52.9%; Pred. No. 2.3e-18; ative 15; Mismatches 18;
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                                                                                                                                                                                                               GB 94086902.2
                                                                                                                                                                                                                                                   GB 9318984.3
                                                                                                                                                                                                                                                                                         PCT/GB94/02006
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                                 Length 73;
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Gaps
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Result
No.
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Minimum DB seq length: 0 Maximum DB seq length: 75
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Searched:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           humber of hits satisfying chosen parameters:
                                                                                     213.5
213.5
213.5
213.5
209
209
205
201
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223
215
215
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Issued_Patents_AA:*

1: /cgn2_6/ptcdata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptcdata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptcdata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptcdata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptcdata/1/iaa/PCTUS_COMB.pep:*
5: /cgn2_6/ptcdata/1/iaa/backfiles1.pep:*
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                                                                                                                             PDSVSIPITCCFNVINRKIP.....ERWVRDSMKHLDQIFQNLKP 75
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Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length DB
    US-08-470-323-6
US-09-479-729B-20
US-09-479-729B-20
US-09-366-887A-25
US-09-463-458A-31
US-09-463-458A-29
US-09-463-458A-29
US-09-463-458A-29
US-09-463-458A-29
US-09-366-887A-24
US-09-366-887A-24
US-08-615-232A-2
US-08-615-232A-2
US-08-482-847-38
US-08-4870-323-7
US-08-482-847-38
US-08-470-323-7
US-08-470-323-7
US-08-470-323-1
US-08-470-323-1
US-08-615-232A-8
US-08-613-822-17
US-08-613-822-17
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147.115 Million cell updates/sec
Sequence 6, Appli
Sequence 20, Appl
Sequence 20, Appl
Sequence 21, Appl
Sequence 25, Appl
Sequence 31, Appl
Sequence 32, Appl
Sequence 32, Appl
Sequence 26, Appl
Sequence 27, Appl
Sequence 29, Appl
Sequence 29, Appl
Sequence 29, Appl
Sequence 20, Appl
Sequence 20, Appl
Sequence 21, Appl
Sequence 22, Appl
Sequence 23, Appl
Sequence 38, Appl
Sequence 38, Appl
Sequence 17, Appl
Sequence 1, Appl
Sequence 2, Appl
Sequence 3, Appl
Sequence 3, Appl
Sequence 3, Appl
Sequence 1, Appl
Sequence 2, Appl
Sequence 3, Appl
Sequence 17, Appl
Sequence 17, Appl
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45	44	43	42	41	40	39	38	37	36	35	34	ω u	32	31	30	29	28
144	144	144	144	144	144	144	144	144	144	144	144	148.5	148.5	148.5	148.5	148.5	163
35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	36.8	36.8	36.8	36.8	36.8	40.4
67	66	66	65	65	64	64	63	63	62	62	37	70	70	70	70	70	45
ω	4	w	4	ω	4	w	4	w	4.	w	4	ຫ	4	_	_	_	w
US-08-995-156A-90	US-09-419-281-89	US-08-995-156A-89	US-09-419-281-88	US-08-995-156A-88	US-09-419-281-87	US-08-995-156A-87	US-09-419-281-86	US-08-995-156A-86	US-09-419-281-85	US-08-995-156A-85	US-09-366-887A-20	PCT-US94-14179-16	US-08-810-436-16	US-08-165-301A-16	US-07-921-848-16	US-07-745-382-16	US-07-927-391-4
Sequence 90, Appl	Sequence 89, Appi	Sequence 89, Appi	Sequence 88, App.	Sequence 88, App.	•	•	Sequence 86, App.	Sequence 86, Appl	Sequence 85, Appi	Sequence 85, App.	Sequence 20, App.	Sequence 16, App.	•	-	Sequence 16, Appl	Sequence 16, Appl	Sequence 4, Appli

ALIGNMENTS

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MOLECULE TYPE:
US-08-615-232A-6
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Patent No. !
  Query Match
Best Local Similarity
                                                                                                                                                                                                                             PRIOR ABPLICATION DATA:

APPLICATION NUMBER: GB 9318984

FILING DATE: 14-SEP-1993

APPLICATION NUMBER: GB 9408602

FILING DATE: 29-APR-1994

ATTORNEY/AGENT INFORMATION:

NAME: WILSON, WARY J

REGISTRATION NUMBER: 32,955

REFERENCE/DOCKET NUMBER: 550-32

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 816-4000
                                                                                                                                                                                             TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: HSUAN, JOHN
TITLE OF INVENTION: CHI
NUMBER OF SEQUENCES: 1:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ALURESSEE: NIXON & VANDERHYE P.C.
STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP. 2222
                                                                                                TYPE: amino acid
STRANDEDNESS: sir
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/0:
FILING DATE: 13-AUG-1996
                                                                                                                                                         LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        , Application US/08615232A 5993814
                                                                                                                                                       74 amino acids
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JOSE, PETER J.

GRIFFITHS-JOHNSON, DAVID A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HSUAN, JOHN J.
                                                                              peptide
                                                                                                                single
  97.3%;
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Score 392; DB 2;
Pred. No. 4.9e-45;
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LENGTH: 74
TYPE: PRT
ORGANISM: human
                                                                                                                                                                                                                                                                                                                     Sequence 20, Application US/08613822
Patent No. 6174995
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 6, Application US/08470323A Patent No. 6031080
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/08/470,323A CURRENT FILING DATE: 1995-06-06 EARLIER APPLICATION NUMBER: PCT/GB94/02006 EARLIER FILING DATE: 1994-09-14 EARLIER APPLICATION NUMBER: GB 9318984.3 EARLIER FILING DATE: 1993-09-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
APPLICANT: HSUAN, JOHN J.
LE OF INVENTION: CHEMOTACTIC CYTOKINE
E REFERENCE: 550-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EARLIER APPLICATION NUMBER: GB 94086902.2
EARLIER FILING DATE: 1994-04-29
NUMBER OF SEQ ID NOS: 11
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/613,822
FILING DATE: 23-FEB-1996
                                                                                                                                                                                                                                                                  APPLICANT: Li, Haodong
TITLE OF INVENTION: Human Chemokine Polypeptides
NUMBER OF SEQUENCES: 20
                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                61 SMKHLDQIFQNLKP 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      62
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                                                                                                                                                                                                                    ADDRESSEE: Human Genome Sciences, Inc STREET: 9410 Key West Avenue
                                                                                                                                                                                   STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local
                                                                                                                                                ZIP: 20850
                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 DSVSIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRD 61
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                                                                                                                                                                                                  : Rockville
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                                                                                                                                                                   USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           97.3%; Score 392; DB 3;
98.6%; Pred. No. 4.9e-45;
tive 1; Mismatches 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 3; Length 74;
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                                                        RESULT 5
US-09-366-887A-25
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                       Sequence 25, Application US/09366887A Patent No. 6403782
          GENERAL INFORMATION:
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; TOPOLOGY: linear; MOLECULE TYPE: protein US-08-613-822-20
                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/479,729B
CURRENT FILING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: PCT/US94/09484
PRIOR FILING DATE: 1994-08-23
PRIOR APPLICATION NUMBER: 08/458,355
PRIOR FILING DATE: 1995-06-02
PRIOR PPLICATION NUMBER: 08/462,967
PRIOR FILING DATE: 1995-06-05
PRIOR FILING DATE: 1995-06-05
PRIOR PPLICATION NUMBER: 60/115,439
PRIOR APPLICATION NUMBER: 60/115,439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-479-729B-20
                                                                                                                                                                                                                                              US-09-479-729B-20
                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn
SEQ ID NO 20
LENGTH: 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20, Applica Patent No. 6391589 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                Matches
                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                PRIOR FILING DATE: 1999-01-08
NUMBER OF SEQ ID NOS: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILE REFERENCE: PF504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Olsen, et al
TITLE OF INVENTION: Human Chemokine Beta-10 Mutant Polypeptides
                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REGISTRATION NUMBER: 34,679
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Millstein, Larry S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 74 amino acids
TYPE: amino acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             64 YLDQKSPTPKP 74
64 YLDOKSPTPKP 74
                                     65 HLDQIFQNLKP 75
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                                                                              4 SVPTTCCFNLANRKIPLQRLESYRRITSGKCPQKAVIFKTKLAKDICADPKKKWVQDSMK 63
                                                                                                   5 SIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRDSMK 64
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Application US/09479729B
                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                65.3%; Score 263; DB 4; 64.8%; Pred. No. 7.4e-28;
                                                                                                                                                         65.3%; Score 263; DB 4; Length 74.
64.8%; Pred. No. 7.4e-28;
ative 14; Mismatches 11; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Larry S
SR: 34,679
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 74;
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                           Database :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Minimum DB seq length: 0 Maximum DB seq length: 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              humber of hits satisfying chosen parameters:
Published_Applications_AA:*

1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*

2: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*

3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*

4: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*

5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*

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7: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

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10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*

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12: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*

13: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*

14: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
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149.139 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                129505 seqs, 22169297 residues
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Copyright (c) 1993 - 2003 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result

Query

C.07T CT	10 120.5	10 127.5	10 127.5	16 137 6	•	14 134.5	13 134.5	12 138.5			9 148	8 174.5	7 188	6 209	5 213.5	4 215	3 263	2 263	1 392	No. Score
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v	·	10	5	, ,	10	9	10	9	5	12	12	9	10	10	10	10	9	ø	10	BG
US-09-792-793A-29	US-09-888-938-5	US-09-144-838-6	US-09-144-838-38	10 00 141 000 0	US-09-144-838-3	US-09-792-793A-30	US-09-195-457-10	US-09-792-793A-24	US-09-195-457-9	US-10-153-064-87	US-10-107-371-1	US-10-125-451-17	US-09-195-457-8	US-09-195-457-1	US-09-195-457-7	US-09-195-457-2	US-10-125-451-20	US-09-792-793A-13	US-09-195-457-6	ID
Sequence 29, Appl	Sequence 5, Appli	Sequence 6, Appli	Sequence 38, Appl	,	•	Sequence 30, Appl	0	•		87	Sequence 1, Appli	Sequence 17, Appl	Sequence 8, Appli	μ,	Sequence 7, Appli	e 2	20,	Sequence 13, Appl	Sequence 6, Appli	Description

RESULT

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5 99.5	4 99.5	<u></u>		1 109		11	8 112	7 112.5	6 113.5		4 114.5		2 116.5	1 117	0 118.5	9 118.5	8 118.5	7 118.5	6 118.5		4 119.5	119			0 120.5
25.1	25.1	25.6	26.3	27.5	27.5	27.9	28.3	28.4	28.7	28.8	28.9	29.4	29.4		29.9	29.9	29.9		29.9	9	0	0	0	0	30.4
67	37	67	68	67	34	74	69	67	71	73	72	70	70	68	73	73	73	73	72	72	69	66	89	68	68
10	10	10	10	10	10	10	10	10	9	9	5	10	10	10	10	10	10	10	10	10	9	10	10	10	10
US-09-144-838-30	US-09-864-761-39501	US-09-144-838-36	US-09-144-838-45	US-09-144-838-33	US-09-864-761-38961	US-09-144-838-4	US-09-144-838-46	US-09-144-838-41	US-09-792-793A-33	US-09-792-793A-17	US-09-144-838-5	US-09-334-954A-65	US-09-334-923A-65	US-09-144-838-34	US-09-334-954A-57	US-09-334-954A-26	US-09-334-923A-57	US-09-334-923A-26	US-09-334-954A-58	US-09-334-923A-58	US-09-792-793A-28	US-09-144-838-37	US-09-195-457-11	US-09-144-838-42	US-09-144-838-10
	3950		45,	Sequence 33, Appl	38	Sequence 4, Appli	Sequence 46, Appl	e 41,	33,	17,	ű	65	65	34	57	26	57	26		58,	8	37		Sequence 42, Appl	Sequence 10, Appl

ALIGNMENTS

RESULT 1 US-09-195-457-6

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; NUMBER OF SEQ ID NOS:
; SEQ ID NO 6
; LENGTH: 74
; TYPE: PRT
; ORGANISM: human
US-09-195-457-6
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CURRENT FILING DATE: 1998-11-18
PRIOR APPLICATION NUMBER: 08/470,323
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/GB94/02006
PRIOR FILING DATE: 1994-09-14
PRIOR APPLICATION NUMBER: GB 9318984.3
PRIOR FILING DATE: 1993-09-14
PRIOR APPLICATION NUMBER: GB 94086902.2
PRIOR FILING DATE: 1994-04-29
                                                                                                                                           Matches
                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 6, Application US/09195457
Patent No. US20020081623A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: 550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
 13
                                  61
                                                                                         DSVSIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRD 60
SMKHLDQIFQNLKP
                                SMKHLDQIFQNLKP 74
                                                                      DSVSIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRD 60
                                                                                                                                       73;
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                                                                                                                                             Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CHEMOTACTIC CYTOKINE
                                                                                                                                                              99.0%;
                                                                                                                                         Score 392; DB 10;
Pred. No. 5.3e-39;
1; Mismatches 0;
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CURRENT FILING DATE: 2002-04-19
PRIOR APPLICATION NUMBER: 09/479,729
PRIOR ELING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: 09/261,201
PRIOR FILING DATE: 1999-03-03
OR PELICATION NUMBER: 60/115,439
OR FILING DATE: 1999-01-08
PRIOR APPLICATION NUMBER: 08/613,822
PRIOR APPLICATION NUMBER: 08/613,822
PRIOR FILING DATE: 1996-02-23
PRIOR FILING DATE: 1996-02-23
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APPLICANT: Cogglis, mbilip
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
FILE REFERENCE: 25020-601D
CURRENT APPLICATION NUMBER: US/09/792,793A
CURRENT FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 93
SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 13
LENGTH: 74
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                                                                                           Matches
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SEQ ID NO 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
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                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: 08/458,355
PRIOR FILING DATE: 1995-06-02
PRIOR APPLICATION NUMBER: PCT/US94/09484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Human Chemokine Beta-10 Mutant Polypeptides FILE REFERENCE: PF504D1
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est Local Similarity
atches 46; Conserv
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                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Olsen et al.
                                                                                                                                                                                                                                                                                                                                            PRIOR FILING DATE: 1994-08-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Human Chemokine Polypeptide: Eotaxin
9-792-793A-13
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                                                                                                                                                                                                       ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                   LENGTH: 74
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                                                                                                              Local Similarity
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SIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIPKTQRGKEVCADPKERWVRDSMK 63
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                                                                                           Conservative
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                                                                                                           66.4%; Score 263; DB 9; Length 74; 64.8%; Pred. No. 5.3e-24;
                                                                                           14; Mismatches
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                                                                                             11; Indels
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US-09-195-457-2
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US-09-195-457-7
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PRIOR FILING DATE: 1993-09-14
PRIOR FILING DATE: 1994-04-29
SEQ ID NOS: 11
LENCON:
                                                                                                                                          TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
FILE REFERENCE: 550-33
CURRENT APPLICATION NUMBER: US/09/195,457
CURRENT TELLING DATE: 1998-11-18
PRIOR FILLING DATE: 1998-16-06
PRIOR FILLING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: 07/GB94/02006
PRIOR APPLICATION NUMBER: 08 9318984.3
PRIOR FILLING DATE: 1994-09-14
PRIOR PRILING DATE: 1993-09-14
PRIOR FILLING DATE: 1993-09-14
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Patent No. US20020081623A1
GENERAL INFORMATION:
APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION: APPLICANT: WILLIAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 54.3%; Score 215; DB 10; Length 73; Best Local Similarity 52.9%; Pred. No. 2e-18; Matches 37; Conservative 15; Mismatches 18; Indels
                                                            NUMBER OF SEQ ID NOS:
SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sequence 7, Application US/09195457
Patent No. US20020081623A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: PCT.
PRIOR FILING DATE: 1994-09-14
PRIOR APPLICATION NUMBER: GB i
PRIOR FILING DATE: 1993-09-14
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CURRENT APPLICATION NUMBER: US/09/195,457
CURRENT FILING DATE: 1998-11-18
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                                                                                                  PRIOR FILING DATE: 1993-09-14
PRIOR APPLICATION NUMBER: GB 94086902.2
PRIOR FILING DATE: 1994-04-29
                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 08/
PRIOR FILING DATE: 1995-06-06
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                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
TYPE: PRT
ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 73
                                     LENGTH: 67
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GRIFFITHS-JOHNSON, DAVID A.
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GRIFFITHS-JOHNSON, DAVID A.
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Post-processing: Minimum Match 0%
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Perfect score:
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*
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155.521 Million cell updates/sec
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Query Match Best Local Similarity

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Score 392; DB 2; Pred. No. 4.8e-45;

Length 74;

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	89	89.	88	88	87	87	•		85	85	20.	16,	Sequence 16, A	•	Sequence 16, A	Sequence 16, App	Sequence 4, Appl

US-08-615-232A-6 US-08-615-232A-6 RESULT 1 Sequence 6, Application US/08615232A Patent No. 5993814 TELEFAX: (703) 816-4100 INFORMATION FOR SEQ ID NO: 6 SEQUENCE CHARACTERISTICS: LENGTH: 74 amino acids GENERAL INFORMATION: TOPOLOGY: 111 MOLECULE TYPE: REGISTRATION NUMBER: 32,955 REFERENCE/DOCKET NUMBER: 55 TELECOMMUNICATION INFORMATION: TELEPHONE: (703) 816-4000 COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO) CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/615,232A FILING DATE: 13-AUG-1996 FILING DATE: 29-APR-1994 ATTORNEY/AGENT INFORMATION: PRIOR APPLICATION DATA: APPLICATION NUMBER: (FILING DATE: 14-SEPAPPLICATION NUMBER: (COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk APPLICANT: WILLIAMS, TIMOTHY J. APPLICANT: JOSE, PETER J. APPLICANT: GRIFFITHS-JOHNSON, DAVID A. APPLICANT: HSUAN, JOHN J. CORRESPONDENCE ADDRESS: NUMBER OF SEQUENCES: APPLICANT: HSUAN, JOHN J. TITLE OF INVENTION: CHEMC LENGTH: /* Length: /* si STRANDEDNESS: NAME: WILSON, CLASSIFICATION: STREET: 1100 NOF CITY: ARLINGTON STATE: VIRGINIA ZIP: 22201-4714 COUNTRY: U.S.A. ADDRESSEE: E: NIXON & VANDERHYE P.C. 1100 NORTH GLEBE ROAD, 8TH FLOOR SS: single linear peptide 14-SEP-1993 CHEMOTACTIC CYTOKINE GB 9408602 GB 9318984 6. 550-32

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CURRENT FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: PCT/GB94/02006
EARLIER FILING DATE: 1994-09-14
EARLIER APPLICATION NUMBER: GB 9318984.3
EARLIER FILING DATE: 1993-09-14
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APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
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EARLIER FILING DATE: 1994-04-29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: human
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LE OF INVENTION: CHEMOTACTIC CYTOKINE
LE REFERENCE: 550-33
                                                                                                                                                                                                                                           APPLICANT: Li, Haodong
TITLE OF INVENTION: Human Chemokine Polypeptides
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
                               SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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                                                                  COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                          ZIP: 20850
                                                                                                                                                        COUNTRY:
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FILING SATE:
                  APPLICATION NUMBER:
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                                                                                                                                                                                                                              Human Genome Sciences, Inc.
23-FEB-1996
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                    US/08/613,822
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    Mismatches

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APPLICATION NUMBER: 08/45,355
PRIOR APPLICATION NUMBER: 08/45,355
PRIOR APPLICATION NUMBER: 08/458,355
PRIOR APPLICATION NUMBER: 08/462,967
PRIOR PILING DATE: 1995-06-05
PRIOR PILING DATE: 1995-06-05
PRIOR PILING DATE: 1995-06-05
PRIOR PILING DATE: 1995-06-05
PRIOR FILING DATE: 1995-06-05
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Best Local (
                                                                                                                                                                        Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: Millstein, Larry S
                                                                                                                                                                                                                                                                                                TYPE: PRT
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                                                                                                                                                                                                                                                                                                                  ENGTH:
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TYPE: amino acid
STRANDEDNESS: single
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                                            64 HLDQIFQNLKP 74
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64 YLDOKSPTPKP 74
                                                                                    4 SIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRDSMK 63
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64.8%; Pred. No. 7.3e-28;
ative 14; Mismatches 11.
                                                                                                                                                                                        66.4%; Score 263; DB 4; Length 74; 64.8%; Pred. No. 7.3e-28;
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; GENERAL INFORMATION:

Sequence 25, Application US/09366887A Patent No. 6403782

US-09-366-887A-25

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Database
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Scoring table:
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11:
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390
1 SVSIPITCCFNVINRKIFIQ......ERWVRDSMKHLDQIFQNLKP 73
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147.124 Million cell updates/sec
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/cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
/cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
/cgn2_6/ptodata/1/pubpaa/US06_REW_PUB.pep:*
/cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
/cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
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/cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US00_NEW_PUB.pep:*
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Copyright (c) 1993 - 2003 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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120.5	120.5	120.5	120.5	120.5	127.5	127.5	131.5	134.5	134.5	138.5	138.5	145.5	148	174.5	188	209	213.5	215	Score	
30.9	30.9	30.9	30.9	30.9	32.7	32.7	33.7	34.5	34.5	35.5	35.5	37.3	37.9	44.7	48.2	53.6	54.7	55.1		Ouerv
68	68	68	83	60	73	67	71	69	68	70	69	66	70	70	71	73	67	73	Length	
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US-09-195-457-11	US-09-144-838-42	US-09-144-838-10	US-09-792-793A-29	US-09-888-938-5	US-09-144-838-6	US-09-144-838-38	US-09-144-838-3	US-09-792-793A-30	US-09-195-457-10	US-09-792-793A-24	US-09-195-457-9	US-10-153-064-87	US-10-107-371-1	US-10-125-451-17	US-09-195-457-8	US-09-195-457-1	US-09-195-457-7	US-09-195-457-2	ID	
11,	2	_	Sequence 29. Appl	Þ	Sequence 6. Appli	w		Sequence 30. Appl				Sequence 87. Appl	(D 	7	Φ.	Sequence 1, Appli	7	Sequence 2, Appli	Description	

RESULT 2

45	44	43	42	41	40	. 39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	: !
94.5	95.5	96.5	97.5	99.5	99.5	101.5	103.5	109	109	111.5	112.5	113.5	114	114.5	116.5	116.5	117	118.5	118.5	118.5	118.5	118.5	118.5	119.5	
24.2	24.5	24.7	25.0	25.5	25.5	ι On	26.5	-	27.9	28.6	28.8	29.1	29.2	29.4	9		30.0	30.4	30.4	30.4	30.4	30.4	30.4	30.6	
83	69	64	83	67	37	67	83	67	34	69	67	71	73	72	70	70	68	73	73	73	73	72	72	69	
10	10	9	10	10	10	10	10	10	10	10	10	ø	9	10	10	10	10	10	10	10	10	10	10	9	į
US-09-144-838-40	US-09-144-838-54	US-09-796-692-1213	US-09-144-838-26	US-09-144-838-30	US-09-864-761-39501	US-09-144-838-36	US-09-144-838-45	US-09-144-838-33	US-09-864-761-38961	US-09-144-838-46	US-09-144-838-41	US-09-792-793A-33	US-09-792-793A-17	US-09-144-838-5	US-09-334-954A-65	US-09-334-923A-65	US-09-144-838-34	US-09-334-954A-57	US-09-334-954A-26	US-09-334-923A-57	US-09-334-923A-26	US-09-334-954A-58	US-09-334-923A-58	US-09-792-793A-28	
40,	54	1213	26,	Sequence 30, Appl	Sequence 39501, A	Sequence 36, Appl	45		38	Sequence 46, Appl	e 41	ω u	7	5	65	65	ω 4	57		5	26	Sequence 58, Appl	Sequence 58, Appl	Sequence 28, Appl	TOTAL ' C DOTTORDO

ALIGNMENTS

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PRIOR FILING DATE: 1993-99-14
PRIOR APPLICATION NUMBER: GB 94086902.2
PRIOR FILING DATE: 1994-04-29
NUMBER OF SEQ ID NOS: 11
SEQ ID NO 2
LENGTH: 73
TYPE: PRT
ORGANISM: Cavia cobaya
US-09-195-457-2
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US-09-195-457-2
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                                                                                                                                                      Matches
                                                                                                                                                                          Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: CHEMOTACTIC CYTOKINE FILE REFERENCE: 550-33 CURRENT APPLICATION NUMBER: US/09/195,457 CURRENT FILING DATE: 1998-11-18 PRIOR APPLICATION NUMBER: 08/470,323 PRIOR FILING DATE: 1995-06-06
                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: PRIOR FILING DATE: 1994-0 PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-JOHNSON, DI
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64 LDQISQTTKP 73
                                    64 LDQIFQNLKP 73
                                                                                                                                              / Match 55.1%; Score 215; DB 10; Local Similarity 52.9%; Pred. No. 1.2e-18; Pred. No. 1.2e-18; Mismatches 18;
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                                                                                                        4 IPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRDSMKH 63
                                                                      JOSE, PETER J.
GRIFFITHS-JOHNSON, DAVID A.
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                                                                                                                                                                                  Length 73;
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US-09-195-457-7

Sequence 7, Application US/09195457 Patent No. US20020081623A1

GENERAL INFORMATION:

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APPLICANT:
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SEQ ID NO 1
LENGTH: 73
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APPLICANT:
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PRIOR APPLICATION NUMBER: 08/47
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/G
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PRIOR FILING DATE: 1994-04-29
                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/195,457
CURRENT FILING DATE: 1998-11-18
PRIOR APPLICATION NUMBER: 08/470,323
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/GB94/02006
PRIOR FILING DATE: 1994-09-14
PRIOR APPLICATION NUMBER: GB 9318984.3
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                                                                                                                                                                                                                                              PRIOR FILING DATE:
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              NAME/KEY: VARIANT
LOCATION: (54)..(55)
OTHER *ENFORMATION: Unknown or other
NAME/KEY: VARIANT
LOCATION: (70)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 67
                                                                                                                     TYPE: PRT
ORGANISM: Cavia porcellus
OTHER INFORMATION: Unknown or other
                                                                                                        FEATURE:
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GRIFFITHS-JOHNSON, DAVID A.
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GRIFFITHS-JOHNSON, DAVID A.
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Sequence 17, Application US/10125451
Publication No. US20030022314A1
GENERAL INFORMATION:
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CURRENT FILING DATE: 1998-11-18
PRIOR APPLICATION NUMBER: 08/470,323
PRIOR TILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/GB94/02006
PRIOR PRIOR DATE: 1994-09-14
PRIOR APPLICATION NUMBER: GB 9318984.3
PRIOR FILING DATE: 1993-09-14
PRIOR APPLICATION NUMBER: GB 94086902.2
PRIOR APPLICATION NUMBER: GB 94086902.2
                                                                                                                                                                                                                                                                                                                              RESULT 5
               CURRENT APPLICATION NUMBER: US/10/125,451
CURRENT FILING DATE: 2002-04-19
PRIOR APPLICATION NUMBER: 09/479,729
PRIOR FILING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: 09/261,201
PRIOR FILING DATE: 1999-03-03
PRIOR APPLICATION NUMBER: 60/115,439
PRIOR APPLICATION NUMBER: 60/115,439
PRIOR FILING DATE: 1999-01-08
PRIOR FILING DATE: 1999-01-08
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SEQ ID NO 8
LENGTH: 71
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 8, Application US/09195457 Patent No. US20020081623A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION:
                                                                                                                                                                                 FILE REFERENCE: PF504D1
                                                                                                                                                                                                       APPLICANT: Olsen et al.
TITLE OF INVENTION: Human Chemokine Beta-10 Mutant Polypeptides
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PRIOR FILING DATE: 1999-01-08
PRIOR APPLICATION NUMBER: 08/613,822
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3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

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Copyright (c) 1993 - 2003 Compugen Ltd
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RESULT 2
US-09-463-458A-31
; Sequence 31, Application US/09463458A
; Patent No. 6383782
; GENERAL INFORMATION:

APPLICANT: Barratt, Derek G
APPLICANT: Needham, Maurice R.C.
TITTLE OF INVENTION: MCP-1 ANALOGS

FILE REFERENCE: 1991-186
CURRENT APPLICATION NUMBER: US/09/463,458A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: PCT/GB98/02179
PRIOR FILING DATE: 1998-07-21
NUMBER OF SEQ ID NOS: 32

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Similarity 3; Conservat (CFNVINRKIPIOR - -	O9-463-458A-30 equence 30, Application US/09463458A atent No. 6383782 ENERAL INFORMATION: APPLICANT: Barratt, Derek G APPLICANT: Needham, Maurice R.C. TITLE OF INVENTION: KCP-1 ANALOGS FILE REFERENCE: 1991-186 CURRENT APPLICATION NUMBER: US/09/46 CURRENT APPLICATION NUMBER: PCT/GB98/0 PRIOR APPLICATION NUMBER: PCT/GB98/0 PRIOR FILING DATE: 1998-07-21 NUMBER OF SEQ ID NOS: 32 SOPTWARE: PatentIn Ver: 2.1 EQ ID NO 30 LENGTH: 68 TYPE: PRT ORGANISM: Artificial Sequence PEATURE: OTHER INFORMATION: Description of A 09-463-458A-30	
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Score 239; DB 4; Pred. No. 9.1e-25; 0; Mismatches 14 TNIQCPKEAVIFKTQRGKE	3,458A 2179 rtificial	PCT-US94-14179-16 US-09-366-887A-20 US-08-995-156A-85 US-09-419-281-86 US-08-995-156A-87 US-08-995-156A-87 US-08-995-156A-88 US-08-995-156A-88 US-08-995-156A-88 US-08-995-156A-89 US-08-995-156A-90 US-08-995-156A-91 US-08-995-156A-91 US-08-995-156A-91 US-09-419-281-91 US-08-995-156A-92 US-09-419-281-92 US-09-419-281-92 US-09-419-281-92 US-09-419-281-92
Length 68; ; Indels 0; Gaps 0; ;VCADPKERWYRDSMKHLD 65 : :: : ::CADPKCKWYQDSMDHLD 60	Sequence: MCP1(9-76)	Sequence 16, Appl Sequence 20, Appl Sequence 85, Appl Sequence 86, Appl Sequence 86, Appl Sequence 87, Appl Sequence 87, Appl Sequence 87, Appl Sequence 88, Appl Sequence 89, Appl Sequence 89, Appl Sequence 90, Appl Sequence 90, Appl Sequence 91, Appl Sequence 91, Appl Sequence 91, Appl Sequence 92, Appl Sequence 92, Appl

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                                                                                                                                                        RESULT 4
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                                             Sequence 9, Application US/09463458A Patent No. 6383782 GENERAL INFORMATION:
APPLICANT: Barratt, Derek G
APPLICANT: Needham, Maurice R.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Barratt, Derek G
APPLICANT: Needham, Maurice R.C.
TITLE OF INVENTION: MCP-1 ANALOGS
FILE REFERENCE: 1991-186
APPLICÂNT: Needham, Maurice R.C.
TITLE OF INVENTION: MCP-1 ANALOGS
FILE REPERENCE: 1991-186
CURRENT APPALICATION NUMBER: US/09/463,458A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Description of Artificial Sequence: Met-MCP1(9-76)
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                                                                                                                                                                                                                                                                                                                                                                                          ery Match
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                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: ()..)
CTHER INFORMATION: Xaa=pGlu
463-458A-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
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                                                                                                                                                                                                                                                                                                                      6 ITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRDSMKHLD
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64.2%; Pred. No. 9.2e-25;
vative 10; Mismatches 14
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; OTHER INFORMATION: Description of Artificial Sequence: ; OTHER INFORMATION: [V9A]MCP-1(9-76) US-09-463-458A-9
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                                                                                                                            RESULT 6
US-09-463-458A-29
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APPLICANT: Barratt, Derek G
APPLICANT: Needham, Maurice R.C.
TITLE OF INVENTION: MCD-1 ANALOGS
FILE REFERENCE: 1991-186
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SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 68
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NUMBER OF SEQ ID NOS: 32
SOFTWARE: PATENTIN VEY: 2.1
SEQ ID NO 26
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Patent No. 6383782
GENERAL INFORMATION:
APPLICANT: Barratt, Derek G
APPLICANT: Needham, Maurice R.C.
TITLE OF INVENTION: MCP-1 ANALOGS
FILE REFERENCE: 1991-186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 26, Application US/09463458A Patent No. 6383782
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Best Local Similarity
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PRIOR APPLICATION NUMBER: PCT/GB98/02179
PRIOR FILING DATE: 1998-07-21
                                                                                                           Sequence 29, Application US/09463458A
                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                              Best
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ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: [V9G] MCP-1(9-76)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ENGTH:
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Local Similarity 65.2%;
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                                                                                                                                                                                                                                           67 IFONLK 72
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 72
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Perfect score:
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386
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145.108 Million cell updates/sec
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/cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
/cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
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Copyright (c) 1993 - 2003 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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30.7	31.0	31.0	31.2	31.2	31.2	31.2	31.2	33.0	34.1	34.8	34.8	35.9	35.9	37.7	38.3	45.2	48.7	55.3	Query Match I
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US-09-334-923A-58	US-09-792-793A-28	US-09-144-838-37	US-09-195-457-11	US-09-144-838-42	US-09-144-838-10	US-09-792-793A-29	US-09-888-938-5	US-09-144-838-38	US-09-144-838-3	US-09-792-793A-30	US-09-195-457-10	US-09-792-793A-24	US-09-195-457-9	US-10-153-064-87	US-10-107-371-1	US-10-125-451-17	US-09-195-457-8	US-09-195-457-7	ID
58	ω.	Sequence 37, Appl	11.	Sequence 42, Appl	_	•	Sequence 5. Appli			Sequence 30, Appl			. •	87	e 1,	Sequence 17, Appl	Sequence 8, Appli	Sequence 7, Appli	Description

RESULT 2

45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20
86.5	87	87.5	89	89.5	91	92.5	93.5	94.5	95.5	96.5	97.5	98.5	99.5	101.5	103.5	109	109	111.5	112.5	113.5	114.5	116.5	116.5	117	118.5
22.4	22.5	22.7	23.1	23.2	23.6	24.0	24.2	24.5	24.7	25.0	25.3	25.5	25.8	26.3	26.8	28.2	28.2	28.9	29.1	29.4	29.7	30.2	30.2	30.3	30.7
67	50	8	35	67	68	68	66	68	69	64	68	37	67	67	83	67	34	69	67	71	72	70	70	68	72
10	9	10	10	10	10	10	10	10	10	9	10	10	10	10	5	10	10	10	10	9	10	10	10	10	10
US-09-144-838-39	US-09-796-692-1244	US-09-144-838-53	US-09-144-838-22	US-09-144-838-25	US-09-144-838-32	US-09-144-838-50	US-09-144-838-35	US-09-144-838-40	US-09-144-838-54	US-09-796-692-1213	US-09-144-838-26	US-09-864-761-39501	144	US-09-144-838-36	US-09-144-838-45	US-09-144-838-33	US-09-864-761-38961	US-09-144-838-46	US-09-144-838-41	US-09-792-793A-33	US-09-144-838-5	US-09-334-954A-65	US-09-334-923A-65	US-09-144-838-34	US-09-334-954A-58
Sequence 39, Appl	Sequence 1244, Ap	Sequence 53, Appl	Sequence 22, Appl	Sequence 25, Appl	Sequence 32, Appl	Sequence 50, Appl	Sequence 35, Appl	Sequence 40, Appl	Sequence 54, Appl	Sequence 1213, Ap	Sequence 26, Appl	3950	30,	Sequence 36, Appl	•	33,	Sequence 38961, A	46	_	3	Sequence 5, Appli	65	65	Sequence 34, Appl	Sequence 58, Appl

ALIGNMENTS

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RESULT 1
US-09-195-457-7
US-09-195-457-7
Sequence 7, Application US/09195457
Sequence 7, Application US/09195457
Patent No. US20020081623A1
GENERAL INFORMATION:
APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: GRIFFITHS-JOHNSON, DAVID
APPLICANT: HSTAN. JOHN J.
                                                                                                                                                                                                                                                                          ; LENGTH: 67
; TYPE: PRT
; ORGANISM: human
US-09-195-457-7
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                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
FILE REFERENCE: 550-33
CURRENT APPLICATION NUMBER: US/09/195,457
CURRENT FILING DATE: 1998-11-18
PRIOR APPLICATION NUMBER: 08/470,323
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/GB94/02006
PRIOR FILING DATE: 1994-09-14
PRIOR FILING DATE: 1994-09-14
PRIOR FILING DATE: 1994-09-14
PRIOR APPLICATION NUMBER: GB 9318984.3
PRIOR FILING DATE: 1993-09-14
PRIOR APPLICATION NUMBER: GB 94086902.2
PRIOR FILING DATE: 1994-04-29
                                                                                                                                                                               Matches 40;
                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS:
SEQ ID NO 7
61 KTQTPK 66
                                           66 IFQNLK 71
                                                                                 6 TCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRDSMKHLDQ 65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              JOSE, PETER J.
GRIFFITHS-JOHNSON, DAVID A.
                                                                                                                                                                                 Conservative
                                                                                                                                                                                                    55.3%;
                                                                                                                                                                       Score 213.5; DB 10; Length 67;
Pred. No. 1.6e-18;
9; Mismatches 14; Indels 3; Gaps
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US-09-195-457-8

Sequence 8, Application US/09195457
Patent No. US20020081623A1
GENERAL INFORMATION:

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 3
US-10-125-451-17
US-10-125-451-17
; Sequence 17, Application US/10125451
; Publication No. US20030022314A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 08/47
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PRIOR FILING DATE: 1994-09-14
PRIOR APPLICATION NUMBER: GB 93
PRIOR FILING DATE: 1993-09-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 48.7%; Score 188; DB 10; Best Local Similarity 50.8%; Pred. No. 1.7e-15; Matches 33; Conservative 18; Mismatches 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                       SOFTWARE: PatentIn version 3.1
SEQ ID NO 17
LENGTH: 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/195,457
CURRENT FILING DATE: 1998-11-18
PRIOR APPLICATION NUMBER: 08/470,323
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APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/115,439
PRIOR PILING DATE: 1999-01-08
PRIOR APPLICATION NUMBER: 08/613,822
PRIOR FILING DATE: 1996-02-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Human Chemokine Beta-10 Mutant Polypeptides PEILE REFERENCE: PF50401
PRENT APPLICATION NUMBER: US/10/125,451
RRENT FILING DATE: 2002-04-19
PRIOR APPLICATION NUMBER: 09/479,729
PRIOR FILING DATE: 2000-01-07
PRIOR FILING DATE: 2000-01-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR FILING DATE: 1993-09-14
PRIOR APPLICATION NUMBER: GB:
STOR FILING DATE: 1994-04-29
BER OF SEQ ID NOS: 11
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                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: PCT/US94/09484 PRIOR FILING DATE: 1994-08-23 NUMBER OF SEQ ID NOS: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Olsen et al.
                                                                                                                                                                                                                                                                                                    PRIOR FILING DATE: 1995-06-05
PRIOR APPLICATION NUMBER: 08/458,355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: 09/261,201
PRIOR FILING DATE: 1999-03-03
                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: 08/462,967
                                                                                                                                                                                                                                                                               PRIOR FILING DATE: 1995-06-02
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (5$)..(56)
                                                                     ORGANIŞM: Homo sapiens
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US-10-153-064-87
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; ORGANISM: Homo sapiens
US-10-153-064-87
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TITLE OF INVENTION: Method of Treating Sepsis and ARDS Using Chemokine Beta-6 (as FILE REFERENCE: 1488.1520005
CURRENT APPLICATION NUMBER: US/10/107,371
CURRENT FILING DATE: 2002-03-28
PRIOR APPLICATION NUMBER: US 09/496,273
PRIOR FILING DATE: 2000-02-01
PRIOR FILING DATE: 2000-02-01
PRIOR APPLICATION NUMBER: US 08/852,212
PRIOR FILING DATE: 1997-05-06
PRIOR FILING DATE: 1996-05-14
NUMBER OF SEQ ID NOS: 1
SOFTWARE: PATENTIAN Version 3.1
SOFTWARE: PATENTIAN VERSION 3.1
                                                                                                                                      Sequence 87, Application US/10153064
Patent No. US20020142814A1
GENERAL INFORMATION:
APPLICANT: Bell et al.
TITLE OF INVENTION: Chemokine Beta-1 Fusion Proteins
FILE REFERENCE: PF556
CURRENT APPLICATION NUMBER: US/10/153,064
CURRENT APPLICATION NUMBER: 002-05-24
PRIOR APPLICATION NUMBER: 60/293,212
PRIOR PILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-05-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1, Application US/10107371
Patent No. US20020146390A1
GENERAL INFORMATION:
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Matches 33; Conserv
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                                    SOFTWARE: PatentIn version 3.1
SEQ ID NO 87
LENCTH: 66
TYPE: PRT
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                                                                                                                   PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     y Match 38.3%; Score 148; DB 12;
Local Similarity 42.2%; Pred. No. 8.1e-11;
hes 27; Conservative 13; Mismatches 24;
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Pred. No. 6.3e-14;
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Result
No.
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Maximum Match 100%
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OM protein -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed,
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                                               188
174.5
174.5
163
145.5
145.5
145.5
145.5
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201
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  is derived by analysis of the total score distribution.
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                                               Match Length
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*

6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*
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Copyright (c) 1993 - 2003 Compugen Ltd.
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 US-08-615-232A-7
US-08-366-887A-23
US-08-427-499A-38
US-08-482-847-38
US-08-470-323-7
US-07-927-391-3
US-07-927-391-3
US-08-615-232A-8
US-08-615-232A-8
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US-09-419-729B-17
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US-07-927-391-6
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US-08-810-436-16
US-08-810-436-16
US-08-915-44179-16
US-08-915-6A-86
US-09-419-281-85
US-09-419-281-85
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US-09-463-458A-31
US-09-463-458A-32
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US-09-463-458A-29
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Sequence 8, A
Sequence 17,
Sequence 17,
Sequence 1, A
Sequence 16,
Sequence 16,
Sequence 16,
Sequence 16,
Sequence 16,
Sequence 20,
Sequence 20,
Sequence 20,
Sequence 20,
Sequence 85,
Sequence 85,
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Sequence 26, Appl
Sequence 29, Appli
Sequence 7, Appli
Sequence 23, Appl
Sequence 38, Appli
Sequence 38, Appl
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Sequence
Sequence
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Sequence 31, Appl
Sequence 32, Appl
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7, Appli
2, Appli
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17, Appli
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ALIGNMENTS	US-09-419-281-86 US-08-995-156A-87 US-08-995-156A-88 US-09-419-281-88 US-09-419-281-89 US-09-419-281-89 US-09-419-281-90 US-08-995-156A-90 US-08-995-156A-91 US-08-995-156A-91 US-08-995-156A-92 US-08-995-156A-93 US-08-995-156A-93 US-08-995-156A-93 US-08-995-156A-93 US-08-995-156A-93 US-08-995-156A-93 US-08-995-156A-93 US-08-995-156A-93 US-08-995-156A-94 US-08-995-156A-94
	Sequence 87, Sequence 87, Sequence 88, Sequence 88, Sequence 89, Sequence 90, Sequence 90, Sequence 91, Sequence 91, Sequence 92, Sequence 92, Sequence 92, Sequence 93, Sequence 93, Sequence 93, Sequence 94, Sequence 95,
	Appl Appl Appl Appl Appl Appl Appl Appl

Sequence 30, Application US/09463458A Patent No. 6383782 GENERAL INFORMATION: APPLICANT: Barratt, Derek G APPLICANT: Needham, Maurice R.C. TITLE OF INVENTION: MCP-1 ANALOGS FILE REFERENCE: 1991-186 CURRENT FILING DATE: 2000-01-27 PRIOR APPLICATION NUMBER: DCT/GB98/02179 PRIOR APPLICATION UNBER: DCT/GB98/02179 PRIOR FILING DATE: 1998-07-21 NUMBER OF SEQ ID NOS: 32 SOPTWARE: PatentIn Ver. 2.1 LENGTH: 68 밁 Ś 片 S ; OTHER INFORMATION: Description of Artificial Sequence: MCP1(9-76) US-09-463-458A-30 US-09-463-458A-30 Matches Query Match Best Local : TYPE: PRT ORGANISM: Artificial Sequence FEATURE: 61 KQTQTPK 67 65 QIFQNLK 71 Match 61.9%; Score 239; DB 4; Local Similarity 64.2%; Pred. No. 8.1e-25; 1 VICCYNFTNRKISVQRLASYRRITSSKCPKBAVIPKTIVAKBICADPKQKWVQDSMDHLD 60 5 ITCCENVINRKIPIORLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRDSWKHLD 64 43; Conservative 10; Mismatches DB 4; Length 68; Indels , ,

Gaps

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APPLICANT: Barratt, Derek G
APPLICANT: Meedham, Maurice R.C.
TITLE OF INVENTION: MCP-1 ANALOGS
FILE REFERENCE: 1991-186
CURRENT APPLICATION NUMBER: US/09/463,458A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: PCT/GB98/02179
PRIOR FILING DATE: 1998-07-21
NUMBER OF SEQ ID NOS: 32

RESULT 2 US-09-463-458A-31

Sequence 31, Application US/09463458A Patent No. 6383782 GENERAL INFORMATION:

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US-09-463-458A-32
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 32, Application US/09463458A Patent No. 6383782
GENERAL INFORMATION:
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                                                                                            Sequence 9, Application US/09463458A Patent No. 6383782
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/463,458A CURRENT FILING DATE: 2000-01-27 PRIOR APPLICATION NUMBER: PCT/GB98/02179 PRIOR FILING DATE: 1998-07-21 NUMBER OF SEQ ID NOS: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Barratt, Derek G
APPLICANT: Needham, Maurice R.C.
TITLE OF INVENTION: MCP-1 ANALOGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE: 1991-186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
                      APPLICANT: Barratt, Derek G
APPLITANT: Needham, Maurice R.C.
TITLE OF INVENTION: MCD-1 ANALOGS
FILE REFERENCE: 1991-186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
CURRENT APPLICATION NUMBER: US/09/463,458A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: pGlu-MCP1(9-76)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PEATURE:
NAME/KEY: VARIANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LOCATION: ()...)
OTHER INFORMATION: Xaa=pGlu
463-458A-32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 69
TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                              ery Match
st Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match 61.9%; Score 239; DB 4; Length 69; Local Similarity 64.2%; Pred. No. 8.3e-25;
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                                                                                                                                                                                                                                                                                                         2 VTCCYNFTNRKISVQRLASYRRITSSKCFKEAVIFKTIVAKEICADFKQKWVQDSMDHLD 61
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; OTHER INFORMATION: Description of Artificial Sequence: , OTHER INFORMATION: [V9A] MCP-1(9-76) US-09-463-458A-9
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US-09-463-458A-26
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Best Local Similarity
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PRIOR APPLICATION NUMBER: PCT/GB98/02179
PRIOR FILING DATE: 1998-07-21
NUMBER OF SEQ ID NOS: 32
SOFTWARE: Patentin Ver. 2.1
GENERAL INFORMATION:
APPLICANT: Barratt, Derek G
APPLICANT: Needham, Maurice R.C.
APPLICANT: NVENTION: MCP-1 ANALOGS
FILE REFERENCE: 1991-186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: PCT/GB98/02179
PRIOR FILING DATE: 1998-07-21
NUMBER OF SEQ ID NOS: 32
SOFTWARE: Patentin Ver
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                                                                                         Sequence 29, Application US/09463458A Patent No. 6383782
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APPLICANT: Needham, Maurice R.C.
TITLE OF INVENTION; MCP-1 ANALOGS
FILE REFERENCE: 1991-186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/463,458A CURRENT FILING DATE: 2000-01-27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE: OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: [V9G]MCP-1(9-76)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                           66 IFQNLK 71
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Local Similarity 65.2%; Pred. No. 2e-24;
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Pred. No. 2e-24;
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        humber of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 seq length: 0
seq length: 2000000000
Published_Applications_AA:*

1: /cgn2_6/ptodata/1/pubpaa/US08 NEW PUB.pep:*

2: /cgn2_6/ptodata/1/pubpaa/US06 NEW PUB.pep:*

3: /cgn2_6/ptodata/1/pubpaa/US06 NEW PUB.pep:*

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5: /cgn2_6/ptodata/1/pubpaa/US07_NEW PUB.pep:*

6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

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9: /cgn2_6/ptodata/1/pubpaa/US09_NEW PUB.pep:*

9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*

10: /cgn2_6/ptodata/1/pubpaa/US10_NEW PUB.pep:*

11: /cgn2_6/ptodata/1/pubpaa/US10_NEW PUB.pep:*

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13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*

14: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
            BLOSUM62
Gapop 10.0 , Gapext 0.5
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145.108 Million cell updates/sec
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386
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Copyright (c) 1993 - 2003 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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249	249	249	263	263	263	263	263	263	263	263	263	267	382	382	382	382	382	382	Score		
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99	76	76	330	325	323	97	97	97	97	74	74	97	109	77	77	77	76	74	Match Length		
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US-08-927-939-16	US-09-195-457-5	US-09-792-793A-20	US-09-792-793A-82	US-09-792-793A-81	US-09-792-793A-80	US-09-834-795A-26	US-10-114-893-52	US-10-057-275-2	US-08-927-939-25	US-10-125-451-20	US-09-792-793A-13	US-10-057-275-5	US-10-033-067-1	US-09-834-795A-24	US-10-057-275-10	US-08-927-939-17	US-09-792-793A-21	US-09-195-457-6	ID		SUMMARIES
Sequence 16, Appl	Sequence 5, Appli	Sequence 20, Appl	Sequence 82, Appl	Sequence 81, Appl	Sequence 80, Appl	e 26,	Sequence 52, Appl	Sequence 2, Appli	Sequence 25, Appl	Sequence 20, Appl	Sequence 13, Appl	Sequence 5, Appli	Sequence 1, Appli	Sequence 24, Appl	Sequence 10, Appl	Sequence 17, Appl	Sequence 21, Appl	Sequence 6, Appli	Description		

RESULT 2

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55.1	55.1	55.1	55.1	55.1	55.1	55.3	55.7	58.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	63.0	64.5		64.5	64.5	64.5	64.5
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US-09-834-795A-25	US-10-125-451-4	US-10-164-621-4	US-08-927-939-83	US-08-927-939-50	US-09-792-793A-23	US-09-195-457-7	US-09-195-457-2	US-09-834-795A-27	US-09-792-793A-76	US-09-792-793A-75	US-09-792-793A-74	US-10-033-067-3	US-10-057-275-11	US-10-125-451-18	US-08-927-939-18	US-09-792-793A-86	US-10-125-451-19	US-09-792-793A-22	US-09-834-795A-28	US-09-792-793A-73	US-09-792-793A-72	US-09-792-793A-71	US-10-141-965-5	US-10-033-067-4	US-10-057-275-9
Sequence 25, Appl	Sequence 4, Appli	Sequence 4, Appli	Sequence 83, Appl	Sequence 50, Appl		Sequence 7, Appli	Sequence 2, Appli	_	Sequence 76, Appl	Sequence 75, Appl	Sequence 74, Appl	Sequence 3, Appli	•	-	Sequence 18, Appl	•	-	Sequence 22, Appl	Sequence 28, Appl	Sequence 73, Appl	Sequence 72, Appl	Sequence 71, Appl	Sequence 5, Appli	Sequence 4, Appli	Sequence 9, Appli

ALIGNMENTS

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PRIOR FILING DATE: 199
NUMBER OF SEQ ID NOS:
SEQ ID NO 6
LENGTH: 74
TYPE: PRT
ORGANISM: human
US-09-195-457-6
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FILE REFERENCE: 550-33
CURRENT APPLICATION NUMBER: US/09/195,457
CURRENT FILING DATE: 1998-11-18
PRIOR APPLICATION NUMBER: 08/470,323
PRIOR FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: PCT/GB94/02006
PRIOR APPLICATION NUMBER: PCT/GB94/02006
PRIOR APPLICATION NUMBER: GB 9318984.3
PRIOR APPLICATION NUMBER: GB 9318984.3
PRIOR FILING DATE: 1993-09-14
PRIOR FILING DATE: 1993-09-14
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US-09-195-457-6
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Patent No. US20020081623A1
GENERAL INFORMATION:
APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
                                                                                                                                                      Query Match 99.0%;
Best Local Similarity 98.6%;
Matches 71; Conservative
                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: GB 94086902.2 PRIOR FILING DATE: 1994-04-29
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63
                                     61 KHLDQIFQNLKP 72
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  KHLDQIFQNLKP
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Pred. No. 3e-38;
1; Mismatches
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US-10-057-275-10
Sequence 10, Application US/10057275
Patent_No. US20020155545A1
GENERAL INFORMATION:
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US-08-927-939-17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 21
LENGTH: 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: McDonald, John R.
APPLICANT: COggins, Philip
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE
TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
FILE REFERENCE: 25020-601D
                                                                                                                                                                                                                                                                                      Matches
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                                                                                                                                                                                                                                                                                                                         Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Compounds and methods to inhibit or TITLE OF INVENTION: augment an inflammatory response. FILE REFERENCE: 295.022US1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/792,793A
CURRENT FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/08/927,939
CURRENT FILING DATE: 1997-09-11
NUMBER OF SEQ ID NOS: 83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Grainger, David J. APPLICANT: Tatalick, Lauen Marie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Human Chemokine Polypeptide: MCP-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                YPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                 FTWARE: FastSEQ for Windows Version 3.0 ID NO 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ry Match
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APPLICANT: Coleman, Roger
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Pred. No. 3.2e-38;
1; Mismatches 0;
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Pred. No. 3.1e-38;
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APPLICANT: Lyn, Dyster

APPLICANT: Jana, Frustaci

APPLICANT: Jana, Frustaci

FITTLE OF INVENTION: Detection and Treatment of Breast Cancer

FILE REFERENCE: 3380/11127-US3

CURRENT APPLICATION NUMBER: US/09/834,795A

CURRENT FILING DATE: 2001-04-12

PRIOR APPLICATION UNMEER: 09/146,580

PRIOR FILING DATE: 1998-09-03

PRIOR FILING DATE: 1998-09-03

PRIOR APPLICATION NUMBER: 60/071,899

PRIOR APPLICATION NUMBER: 60/092,155

PRIOR APPLICATION NUMBER: 60/092,155

PRIOR FILING DATE: 1998-07-09
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US-09-834-795A-24
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INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                66 KHLDQIFQNLKP 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS: single TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/390,740A
FILING DATE: February 17, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatil
OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: FastSEQ Version 1.5 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc
STREET: 3174 Porter Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bandman, Olga
Wilde, Craig G.
TITLE OF INVENTION: NEW CHEMOKINES EXPRESSED IN
NUMBER OF SEQUENCES: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE DESCRIPTION: SEQ ID NO: 10:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/10/057,275 FILING DATE: 25-Jan-2002
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CLONE: MCP-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 77 amino acids TYPE: amino acid
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Pred. No. 3.2e-38;
1; Mismatches 0
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NUMBER OF SEQ ID NOS: 35

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                                                                                                                                               Sequence 5, Application US/10057275 Patent No. US20020155545A1 GENERAL INFORMATION:
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Patent No. US20020164704A1
GENERAL INFORMATION:
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CURRENT FILING DATE: 2001-10-26
PRIOR APPLICATION NUMBER: 08/683,655
PRIOR FILING DATE: 1996-07-15
NUMBER OF SEQ ID NOS: 7
SOFTMARE: PERL Program
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Coleman, Roger
APPLICANT: Hillman, Jennifer L.
APPLICANT: Au-Young, Janice
TITLE OF INVENTION: NOVEL HUMAN MONOCYTE CHEMOTACTIC PROPROTEIN
FILE REFERENCE: PF-0069-1 CON
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TYPE: PRT
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NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20020164704A1 965517CD1
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ORGANISM: Homo sapiens
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                                                          APPLICANT: Coleman, Roger
Bandman, Olga
Wilde, Craig G.
TITLE OF INVENTION: NEW CHEMOKINES EXPRESSED
NUMBER OF SEQUENCES: 11
                                              CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                            VSIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSM 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KHLDQIFQNLKP 72
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             ADDRESSEE: Incyte Pharmaceuticals, Inc
STREET: 3174 Porter Drive
CITY: Palo Alto
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    Mismatches

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Pred. No. 3.2e-38;
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APPLICANT: Coggins, Philip
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
FILE REFERENCE: 25020-601D
CURRENT APPLICATION NUMBER: US/09/792,793A
CURRENT FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 93
SOUTWARE: Patentin Ver. 2.0
SEQ ID NO 13
LENGTH: 74
TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 13, Application US/09792793A Patent No. US20020168370A1 GENERAL INFORMATION:
                                                                               Matches
                                                                                                Query Match
Best Local
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                                                                                                                                                                                             ORGANISM: homo sapien FEATURE:
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TELEFAX: 415-852-0195
INFORMATION FOR SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA: 25-Jan-2002

PRIOR APPLICATION NUMBER: US/08/390,740A

PILING DATE: Pebruary 17, 1995

ATTORNEY/AGENT INFORMATION:

NAME: Luther, Barbara J.

REGISTRATION NUMBER: 33,954

REFERENCE/DOCKET NUMBER: PF-0027 US
                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              88 KHLDK--QTPKP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 VSIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRDSM 60
                                  2 SIPITCCFNVINRKIPIORLESYTRITNIQCPKEAVIFKTORGKEVCADPKERWVRDSMK 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 94304
COMPUTER READABLE FORM:
SVPTTCCFNLANRKIPLQRLESYRRITSGKCPQKAVIFKTKLAKDICADPKKKWVQDSMK 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VDTPTTCCFNYINRKIPRORLESYRRITSSKCSKPAVIFKTKRAKQVCADPKEKWVQDSM 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 97 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/10/057,275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STATE: CA
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                                                                             Conservative
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                                                                                             68.1%; Score 263; DB 9; 64.8%; Pred. No. 2.8e-24;
                                                                           14; Mismatches
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Pred. No. 1.3e-24;
                                                                                                              Length 74;
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                                                                ; ORGANISM: Homo sapiens US-08-927-939-25
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US-10-125-451-20
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CURRENT FILING DATE: 2002-04-19
PRIOR APPLICATION NUMBER: 09/479,729
PRIOR FILING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: 09/261,201
PRIOR FILING DATE: 1999-03-03
OR APPLICATION NUMBER: 60/115,439
OR FILING DATE: 1999-01-08
                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-927-939-25
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LENGTH: 74
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                                                                                                                                                   CURRENT APPLICATION NUMBER: US/08/927,939
CURRENT FILING DATE: 1997-09-11
NUMBER OF SEQ ID NOS: 83
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local (
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                      Query Match
                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
  Best Local Similarity
                                                                                                                                                                                                                                                            APPLICANT: Grainger, David J.
APPLICANT: Tatalick, Lauen Marie
TITLE OF INVENTION: Compounds and methods to inhibit or
TITLE OF INVENTION: augment an inflammatory response.
FILE REFERENCE: 295.022US1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 30 SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: PCT/US94/09484 PRIOR FILING DATE: 1994-08-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: 08/462,967
PRIOR FILING DATE: 1995-06-05
PRIOR APPLICATION NUMBER: 08/458,355
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TITLE OF INVENTION: Human Chemokine Beta-10 Mutant Polypeptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 1995-06-02
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                                                                                                            TYPE: PRT
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                                                                                                                                LENGTH: 97
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              62 HLDQIFQNLKP 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            46;
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68.1%;
64.8%;
  Score 263; DB 8; Pred. No. 3.8e-24;
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                         Length 97;
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US-10-057-275-2
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Patent No. US20020155545A1
GENERAL INFORMATION:
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                                                                                                                                                                         Query Match
                                                                                                                                          Matches
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INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 97 amino acids
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 87
                                  62 HLDQIFQNLKP 72
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                                                                                                                                                        Local Similarity
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                                                                                       2 SIPITCCENVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRDSMK 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Coleman, Roger
Bandman, Olga
Wilde, Craig G.
TITLE OF INVENTION: NEW CHEMOKINES EXPRESSED IN PANCREAS
NUMBER OF SEQUENCES: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/057,275
FILING DATE: 25-Jan-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                MOLECULE TYPE: peptide IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SVPTTCCFNLANRKIPLORLESYRRITSGKCPOKAVIFKTKLAKDICADPKKKWVQDSMK 86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SIPITCCPNVINKKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRDSMK 61
                                                                                                                                                                                                                              SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                   YLDOKSPTPKP
                                                                                                                                        46;
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CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Luther, Barbara J. REGISTRATION NUMBER: 33,954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/390,740A FILING DATE: February 17, 1995
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ZIP: 94304
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                                                                                                                                                                                                                                                  CLONE: 223187
                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: PF-0027 US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Incyte Pharmaceuticals, Inc
STREET: 3174 Porter Drive
                                                                                                                                                                                                                                                           LIBRARY: Human Pancreas
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                                                                                                                                          Conservative
 97
                                                                                                                                          68.1%; Score 263; DB 9; 64.8%; Pred. No. 3.8e-24; tive 14; Mismatches 11
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                                                                                                                                                                            Length 97;
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Publication No

Application US/10114893

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RESULT 13
US-09-834-795A-26
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                                                                          US-09-834-795A-26
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                                                                                                                                                SEQ ID NO 26
     Matches
                    Best Local Similarity
                                    Query Match
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                                                                                                                                                                                                                                   PRIOR FILING DATE: 1998-09-03
PRIOR APPLICATION NUMBER: 60/071,899
PRIOR FILING DATE: 1998-01-20
                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/834,795A
CURRENT FILING DATE: 2001-04-12
PRIOR APPLICATION NUMBER: 09/146,580
                                                                                                                                                                                                                                                                                                                                    LICANT: Lawrence, Papsidero
PLICANT: Lyn, Dyster
APPLICANT: Jana, Frustaci
TITLE OF INVENTION: Detection and Treatment
FILE REFERENCE: 3380/11127-US3
FILE REFERENCE: 3380/1127-US3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Carlin-Duckett, McKeough
APPLICANT: Kelleher, Kerry S.
APPLICANT: Genetics Institute, Inc.
APPLICANT: Genetics Institute, Inc.
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
FILE REFERENCE: GI 6000-10A
CURRENT APPLICATION UNMBER: US/10/114,893
ERENT FILING DATE: 2002-04-02
LIER APPLICATION UNMBER: 09/413,232
MCKLIER FILING DATE: 1999-10-06
NUMBER OF SEQ ID NOS: 321
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                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 60/092,155 PRIOR FILING DATE: 1998-07-09
                                                                                                                                                               SOFTWARE:
                                                                                                                                                                                NUMBER OF SEQ ID NOS: 35
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                                                                                     LENGTH: 97
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn Ver. 2.0
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TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            46; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      46;
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Evans, Cheryl
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                 68.1%; Score 263; DB 10; 64.8%; Pred. No. 3.8e-24;
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14; Mismatches
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                                    DB 10;
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                                Length 97;
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2 SIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRDSMK 61

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; OTHER INFORMATION:
; OTHER INFORMATION:
US-09-792-793A-81
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Description of Artificial Sequence: Chemokine-toxin fusion protein ; OTHER INFORMATION: EOTAXIN-AM-truncated Shiga-Al Subunit US-09-792-793A-80
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION
Matches
                                                                                                                                                                                                                                      SEQ ID NO 81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 81, Application US/09792793A Patent No. US20020168370A1
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                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                    APPLICANT: McDonald, John R.
APPLICANT: COGGINS, Philip
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
FILE REFERENCE: 25020-601D
CURRENT APPLICATION NUMBER: US/09/792,793A
CURRENT FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 93
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: McDonald, John R.
APPLICANT: CO991ns, Philip
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING SECONDARY TISSUE DAMAGE AND
TITLE OF INVENTION: OTHER INFLAMMATORY CONDITIONS AND DISORDERS
FILE REFERENCE: 25020-601D
CURRENT APPLICATION NUMBER: US/09/792,793A
CURRENT FILING DATE: 2001-02-22
NUMBER OF SEQ 1D NOS: 93
NUMBER OF SEQ 1D NOS: 93
                                                                                                                                                 ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                         LENGTH: 325
TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            65 YLDOKSPTPKP 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   62 HLDQIFQNLKP 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 87 YLDQKSPTPKP 97
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SVPTTCCFNLANRKIPLQRLESYRRITSGKCPQKAVIFKTKLAKDICADPKKKWVQDSMK 64
  46;
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  Conservative
                                                                                                    Description of Artificial Sequence: Chemokine-toxin fusion protein EOTAXIN-AM-truncated Shiga-Al Subunit HIS6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    68.1%; Score 263; DB 9; Length 323; 64.8%; Pred. No. 1.5e-23;
                    64.8%;
14;
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Score 263; DB 9;
Pred. No. 1.5e-23;
.4; Mismatches 11
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- **8** B 62 HLDQIFQNLKP 72 :||| || 65 YLDQKSPTPKP 75
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Search completed: February 4, 2003, 10:20:56 Job time : 12 secs

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No.
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Maximum DB seq length: 2000000000
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Maximum Match 100%
Listing first 45 summaries
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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386
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141.230 Million cell updates/sec
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1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*
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Copyright (c) 1993 - 2003 Compugen Ltd.
       US-08-615-232A-6
US-08-4470-323-6
US-08-480-449-20
US-08-716-188-3
US-08-660-542-20
US-08-660-542-20
US-08-347-492B-9
US-08-421-144A-6
US-08-66-887A-12
US-09-366-887A-27
US-09-369-637-44
US-08-250-958-1
US-08-250-958-1
US-08-716-188-2

US-08-615-232A-5

US-08-470-323-5

US-08-330-163-12

US-08-482-111-12

PCT-US95-00605-1

US-08-127-499A-35

US-08-482-847-35

US-08-347-492B-8
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                                                                           12, Appl
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20, Appl
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20, Appl
9, Appli
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12, Appl
20, Appl
20, Appl
20, Appl
20, Appl
21, Appl
25, Appl
11, Appl
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239	241	249	249	249	249	249	249	249	249	249	249	249	249	249	249	249	249
61.9	62.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
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US-09-463-458A-30	US-08-744-419-2	5212073-2	PCT-US96-10087-5	US-09-366-887A-10	US-09-419-281-5	US-08-479-603-19	US-08-679-493A-152	US-09-044-855A-5	US-09-044-856A-5	US-08-995-156A-5	US-07-927-391-24	US-08-798-143-8	US-08-660-542-19	US-08-726-830A-5	US-08-421-144A-5	US-U8-4/9-126B-5	US-08-480-449-19
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ALIGNMENTS

RESULT 1

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US-08-615-232A-6
                                                         ; TOPOLOGY: linear; MOLECULE TYPE: peptide US-08-615-232A-6
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GENERAL INFORMATION:

APPLICANT: WILLIAMS, TIMO'

APPLICANT: JOSE, PETER J.

TOANT: JOSE, JOHN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 6, Application US/08615232A Patent No. 5993814
Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: GB 931
FILING DATE: 14-SEP-1993
APPLICATION NUMBER: GB 940
FILING DATE: 29-APR-1994
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                  TELEFAX: (703) 816-4100 INFORMATION FOR SEQ ID NO: (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Plopy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
OFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/615,232A
APPLICATION NUMBER: US/08/615,232A
                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: 424
CLASSIFICATION DATA:
PRIOR APPLICATION UMBER: GB 9318984
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: CHEMOTACTIC CYTOKINE NUMBER OF SEQUENCES: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 74 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                          NAME: WILSON, MARY J.
REGISTRATION NUMBER: 32,955
REFERENCE/DOCKET NUMBER: 550
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 1100 NORT
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GRIFFITHS-JOHNSON, DAVID A.
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                                                                                                     linear
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    99.0%;
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    Score 382; DB 2;
Pred. No. 7.1e-44;
                           Length 74;
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US-08-470-323-6
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                                                                                                                                                                                                                                                                                                                                 Patent No. 5688927
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                     Sequence 20, Application US/08480449 Patent No. 5688927
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
APPLICANT: HSUAN, JOHN J.
LE OF INVENTION: CHEMOTACTIC CYTOKI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
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Patent No. 6031080
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EARLIER APPLICATION NUMBER: PCT/GB94/02006
EARLIER FILING DATE: 1994-09-14
EARLIER APPLICATION NUMBER: GB 9318984.3
EARLIER FILING DATE: 1993-09-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EARLIER APPLICATION NUMBER: GB 94086902.2 EARLIER FILING DATE: 1994-04-29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/08/470,323A CURRENT FILING DATE: 1995-06-06
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOUTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                    APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE
NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH:
                                                                                                                ZIP: 60606-6402
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
APPLICATION NUMBER:
                                                                                                                                                                           STATE:
                                                                                                                                                                                     STREET: 6300 g
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                                                                                                 MEDIUM TYPE:
                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 KHLDQIFQNLKP 72
                                                                                                                                                                                                                            ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   h 99.0%;
Similarity 98.6%;
                                                                                                                                                                      Illinois
                                                                                                                                                                                                E: Marshall, O'Toole, Gerstein, Murray & 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                 United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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         US/08/480,449
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RESULT 4
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                                                                                           FILING DATE: 30-SEP-1996
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION UNMBER: PCT/GB95/00733
FILING DATE: 31-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION UNMBER: GB 9406463.1
FILING DATE: 31-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: SANDER B. 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
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Best Local
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APPLICANT: KELLY,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
REFERENCE/DOCKET NUMBER: 2786
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
            REGISTRATION NUMBER: 36,663
REFERENCE/DOCKET NUMBER: 11'
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-816-4091
                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide
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                                                                                    NAME: SADOFF, B.J
                                                                                                                                                                                                                                                              APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: ARLINGTON
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OTHER INFORMATION: "Hu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 76 amino acids
TYPE: amino acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 VSIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWYRDSM 60
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703-816-4100
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                                                 117-219
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US-08-660-542-20
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SEQUENCE CHARACTERISTICS:
LENGTH: 76 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                                          INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/660,542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE AND CHEMOKINE TITLE OF INVENTION: ANALOGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Godiska, Ronald APPLICANT: Gray, Patrick W.
                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 27
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
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                                                                                                                                                         SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
                                                     FEATURE:
                                                                    MOLECULE TYPE: peptide
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                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 08/5 FILING DATE: 16-NOV-1995
                                                                                                                                                                                                                                                                                                                                                                                                                      RIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 08/479,620 FILING DATE: 07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 514
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                                                                                   TOPOLOGY:
                                                                                                                                                                                                         TELEFAX:
                  NAME/KEY: misc feature OTHER INFORMATION: "Hu
                                                                                                     STRANDEDNESS:
                                                                                                                                        LENGTH:
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l Similarity 98.6%;
71; Conservative
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                                                                                                                      : 76 amino acids
amino acid
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                                                                                        SS: single
linear
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                        "Hu MCP-2"
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                                                                                                                           Matches
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                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
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TELEPHONE: 312/474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                      FEATURE:
                                                                                                                                                                                                                                                     MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            65 KHLDQIFQNLKP 76
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 6300
CITY: Chicago
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                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
REFERENCE/DOCKET NUMBER: 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 60606-6402
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
                                                                                                                                         Local
                                                                                                                                                                                                                                                                                                  TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                               TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION: 530
                                                                                                                                                                                                                       NAME/KEY: misc_feature
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                                                                                                                                                                                                                                                                                     STRANDEDNESS:
65 KHLDQIFQNLKP 76
                              61 KHLDQIFQNLKP 72
                                                                                                                                                                                                        OTHER INFORMATION: "Hu MCP-2"
                                                            1 VSIPITCCENVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRDSM 60
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                                                                                                                           Conservative
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                                                                                                                                                                                                                                                                                     single
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Pred. No. 7.3e-44;
                                                                                                                                                                                                                                                                                                                                                                                                                                   27866/32780
                                                                                                                                            Score 382; DB 4; Length 76; Pred. No. 7.3e-44;
                                                                                                                                Mismatches
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                                                                                                       Sequence 6, Application US/08421144A Patent No. 5874211
                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 98.6 Matches 71; Conservative
                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                       GENERAL INFORMATION:
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LENGTH: 77 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO: 9:
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GENERAL INFORMATION:
APPLICANT: Wilde, Craig G.
APPLICANT: Hawkins, Phillip R.
APPLICANT: Bandman, Olga
APPLICANT: Bandman,
NUMBER OF SEQUENCES:
                    APPLICANT: BANDMAN, OLGA
APPLICANT: COLEMAN, ROGER
APPLICANT: STUART, SUSAN G.
TITLE OF INVENTION: NEW CHE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: I
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FILING DATE: 05-OCT-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/347,492B
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APPLICANT: 1
APPLICANT: 1
APPLICANT: 1
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-- ONR: GI 126829
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TITLE OF INVENTION: EXPRESSED CHEMOKINES, THEIR
TITLE OF INVENTION: PRODUCTION AND USES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                         66 KHLDQIFQNLKP 77
                                                                                                                                                                                                                                        61 KHLDQIFQNLKP 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Dis)
COMPUTER: IBM CON
OPERATING SYSTEM:
                                                                                                                                                                                                                                                             6 VŚTPTTĆĆPNVINRKIPTORLESYTRITNIOCPKEAVIFKTKRGKEVCADPKERWVRDSM 65
                                                                                                                                                                                                                                                                                1 VSIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRDSM 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER: 33, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 3174 POR
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               NEW CHEMOKINE EXPRESSED IN EOSINOPHILS
                                                                                                                                                                                                                                                                                                                                                 99.0%; Score 382; DB 1; Length 77; 98.6%; Pred. No. 7.4e-44;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    33,954
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US-08-798-143-9
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SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
TYPE: amino acid
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 9, Application US/08798143 Patent No. 5936068
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                                                                                                                                                                                                                                                                APPLICANT: Wilde, Craig G.
APPLICANT: Hawkins, Phillip R.
APPLICANT: Bandman, Olga
APPLICANT: Seilhamer, Jeffrey J.
TITLE OF INVENTION: EXPRESSED CHEMOKINES, THEIR
NUMBER OF SEQUENCES: 12
                                        OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
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ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
              APPLICATION NUMBER: US/08/798,143 FILING DATE: 10-FEB-1997
                                                                                                COMPUTER:
                                                                                                                                                                                    CITY: Palo Alto
STATE: CA
CLASSIFICATION:
                                                                                                                                                                     COUNTRY:
                                                                                                                                                         ZIP:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     66 KHIDQIFQNIKP 77
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TOPOLOGY: linear
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REFERENCE/DOCKET NUMBER: PI
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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CITY: Palo Alto
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SYSTEM: DOS
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                                                                                                                  Diskette
            10-FEB-1997
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PRIOR APPLICATION DATA:

APPLICATION NUMBER:

08/347,492

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                                                                                                                                                     ; ORGANISM: Homo sapiens
US-09-366-887A-12
                                                                                                                                                                                                        SOFTWARE: Fa.
SOFTWARE: Fa.
; SEQ ID NO 12
; SEQ TH: 77
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                                                                                   Matches
                                                                                                                    Query Match
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PRIOR FILING DATE: 1998-06-16
NUMBER OF OFFO
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APPLICANT:
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Best Local Similarity
                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 27
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/366,887A
CURRENT FILING DATE: 1999-08-04
PRIOR APPLICATION NUMBER: 60/000,449
PRIOR FILING DATE: 1995-06-22
PRIOR APPLICATION NUMBER: 08/522,713
PRIOR FILING DATE: 1995-09-01
                                                                                                                                                                                        LENGTH: 77
TYPE: PRT
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                            PLICANT: ROTHENBERG, MARC
PLICANT: GARCIA, EDUARDO
LE OF INVENTION: EOTAXIN: AN EOSINOPHIL CHEMOATTRACTANT
LE REFERENCE: 00383/025002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear DLECULE TYPE: pept: MMEDIATE SOURCE: LIBRARY: GENBANK
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APPLICATION NUMBER: 08/303,241
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/320,011
FILING DATE: 05-OCT-1994
ATTORNEY/AGENT INFORMATION:
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                     1 VSIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADFKERWYRDSM 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            66 KHLDQIFQNLKP 77
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                                                                                                 Local Similarity
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TYPE: amino acid
STRANDEDNESS: single
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REGISTRATION NUMBER: 33,954
REFERENCE/DOCKET NUMBER: PF
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VSIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSM 65
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LEDER, PHILIP
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                                                                             Conservative
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                                                                                         99.0%; Score 382; DB 4; Length 77; 98.6%; Pred. No. 7.4e-44;
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                                                                           Mismatches
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US-09-479-729B-20
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                                                                                                                                                                                  ; Sequence 20, Application US/09479729B; Patent No. 6391589; GENERAL INFORMATION:
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         CURRENT APPLICATION NUMBER: US/09/479,729B
CURRENT FILING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: PCT/US94/09484
PRIOR FILING DATE: 1994-08-23
PRIOR APPLICATION NUMBER: 08/458,355
PRIOR PILING DATE: 1995-06-02
PRIOR FILING DATE: 1995-06-02
                                                                                                                 APPLICANT: Olsen, et al
TITLE OF INVENTION: Human Chemokine Beta-10 Mutant Polypeptides
FILE REFERENCE: PF504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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Patent No. 6174995
 PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: 301-309-8512
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 74 amino acids
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Li, Haodong
TITLE OF INVENTION: Human Chemokine Polypeptides
                                                                                                                                                                                                                                                                                                                   64 YLDOKSPTPKP 74
                                                                                                                                                                                                                                                                                                                                                        62 HLDQIFQNLKP 72
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REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 23 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              'Match 68.1%; Score 263; DB 4; Length 74; Local Similarity '64.8%; Pred. No. 5.6e-28; es 46; Conservative 14; Mismatches 11; Indels
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OPERATING SYSTEM:
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CITY: Rockville
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SYSTEM: PC-DOS/MS-DOS
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FILE REPERENCE: 00383/025002

CURRENT APPLICATION NUMBER: US/09/366,887A

CURRENT FILING DATE: 1999-08-04

PRIOR APPLICATION NUMBER: 60/000,449

PRIOR APPLICATION NUMBER: 08/522,713

PRIOR APPLICATION NUMBER: 08/522,713

PRIOR APPLICATION NUMBER: 08/522,713

PRIOR APPLICATION NUMBER: 08/522,713
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LENGTH: 74
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                                                                             Sequence 27, Application US/09366887A
Patent No. 6403782
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LENGTH: 74
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APPLICANT:
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PRIOR APPLICATION NUMBER: 60/115,439
PRIOR FILING DATE: 1999-01-08
NUMBER OF SEQ ID NOS: 30
                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR FILING DATE: 1998-06-16
NUMBER OF SEQ ID NOS: 27
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: GARCIA, EDUARDO TITLE OF INVENTION: EOTAXIN: AN EOSINOPHIL CHEMOATTRACTANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn version 3.0
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                                APPLICANT:
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APPLICANT:
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GANISM: Homo sapiens
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LEDER, PHILIP
ROTHENBERG, MARC
              LUSTER, ANDREW D.
LEDER, PHILIP
ROTHENBERG, MARC
GARCIA, EDUARDO
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US-09-366-887A-27
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US-09-230-637-44
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APPLICANT: Hayward, John
APPLICANT: Nicholas, John
APPLICANT: Reitz, Marvin
APPLICANT: Reitz, Marvin
APPLICANT: Reitz, Marvin
AFPLICANT: Reitz, Marvin
AFPLICANT: Reitz, Marvin
AFPLICANT: Reitz, Marvin
TITLE OF INVENTION: No. 6264958el Genes of Ka;
TITLE OF INVENTION: No. 6264958el Genes of Ka;
TITLE OF INVENTION: Associated Herpesvirus
FILE REFERENCE: 107.78372
CURRENT FILING DATE: 199-11-23
CURRENT FILING DATE: 199-11-23
PRIOR FILING DATE: 199-07-25
PRIOR FILING DATE: 1997-07-24
NUMBER OF SEQ ID NOS: 62
SOFTWARE: PASTSEQ for Windows Version 4.0
SCO ID NO 44
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PRIOR APPLICATION NUMBER: 08/9
PRIOR FILING DATE: 1998-06-16
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PRIOR FILING DATE: 08/9
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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Local Similarity 64.8%; Pred. No. 8e-28;
1es 46; Conservative 14; Mismatches 11; Indels
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                                                                                         27 SVETTCCFNLANRKIFLORLESYRR-TSGKCPOKAVIFKTKLAKDICADFKKRWVQDSMK 85
86 YLDOKSPTPKP 96
                                           62 HLDQIFQNLKP 72
                                                                                                                                                                                                               Match 65.2%; Score 251.5; DB 4; Length 96; Local Similarity 64.8%; Pred. No. 2.7e-26;
                                                                                                                                       2 SIPITCCENVINRKIPIQRLESYTRITNIQCPKEAVIFKTQRGKEVCADPKERWVRDSMK 61
                                                                                                                                                                                          46; Conservative
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